Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

CLASSIFIED ADS

For Frogs, Crawfish, Star-fish Perch, Clams, Turtles, Toads, etc., etc., send for latest price list.

THE ANGLERS CO.

913 W. Randolph St. Chicago, Ill.

Comstock Publishing Company

Ithaca, N. Y.

THE MICROSCOPE—12th Edition, 1917. Contains the old and also the new things in microscopy. S. H. Gage. Postpaid $3.00.

OPTIC PROJECTION—Especially full on the projection microscope and drawing. S. H. and H. P. Gage. Postpaid $3.00.

THE BIOLOGY OF TWINS

By Horatio H. Newman

A valuable study on twinning in humans and the lower animals.

196 pages, cloth—$1.25, postage extra (weight 1 lb.)

The University of Chicago Press

5857 Ellis Avenue CHICAGO, ILL.

Powers & Powers

HIGH GRADE

Microscopic Slides

AND

Living Micro-Organisms

Living Amœba Proteus and Living Fresh Water Hydra.—We were the first in America to develop the rearing and shipping of these organisms to all parts of the continent. We ship to every State in the Union and even as far as Nova Scotia. Living delivery always guaranteed within the months of the school year. We have a private plant of our own especially adapted to these and other micro-organisms.

Microscopic Slides.—We have a growing list of high grade preparations for the microscope, chiefly in zoology. We endeavor to produce slides of unusual excellence. Many are quite unprocurable elsewhere.

Circulars and Prices Upon Application

POWERS & POWERS

Station A LINCOLN, NEBR.

THE CAMBOSCO

1884-1918

A Biological House Manned by Biologists

SLIDES—Microscopical, by expert histologists, masters of the technique of sectioning, staining and mounting. The best men, in each branch, to be found in America or England. *No "Tyro" slides.* (Cat. B. 92.)

BOTANY—Preserved material, expertly collected. Lowest to highest Orders. (Cat. B. 92.)

ZOOLOGY—Preserved specimens, expertly collected. Class or Museum Material. (Cat. B. 92.)

GLASSWARE & PORCELAIN—The items you need, always in stock, the best for particular needs. (Cat. C. 94.)

HARDWARE—All lines, all styles and sizes, *Guaranteed.* (Cat. C. 94.)

It will cost you Three Cents and One Letter to ascertain our Current-Net-Itemized prices. To this extent, at least, may we serve you?

Cambridge Botanical Supply Company

Laboratory Equipment

WAVERLEY, MASSACHUSETTS

2 Lexington St. Established 1884

The March Issue of Our

"Special Bulletin"

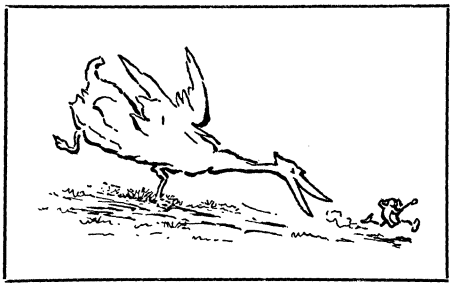
carrying guaranteed second-hand Microscopes and accessories, Kodaks, etc. will be a noteworthy one, especially as we will list an unusually large number of excellent microscopical lenses.

SEND FOR IT

EDWARD PENNOCK

Importers of Microscopes, Microscopical Supplies, Etc.

3609 Woodland Ave. PHILADELPHIA



EXHIBITS
FOR YOUR
MUSEUM

Microscope Slides

Charts
Models
Books
Apparatus

ALL KINDS OF LIVE AND PRESERVED MATERIAL. THE COLLECTING SEASON IS ON. WE WILL GET IT FOR YOU.

The Chicago Biological Supply House

5505 and 5508 KIMBARK AVE. :: CHICAGO, ILL.

LIVING AMOEBA

Zoology, Botany and Physiology

classes can be supplied with the living and preserved laboratory material required in the adopted textbooks. For scientific research and for museum exhibits, we make a specialty of supplying interesting species from Louisiana and the Gulf of Mexico.

All material guaranteed

Price lists and further information sent upon request.

SOUTHERN BIOLOGICAL SUPPLY COMPANY, Inc.

Natural History Building

NEW ORLEANS, LOUISIANA

Established 1883 Without Intermission 1916

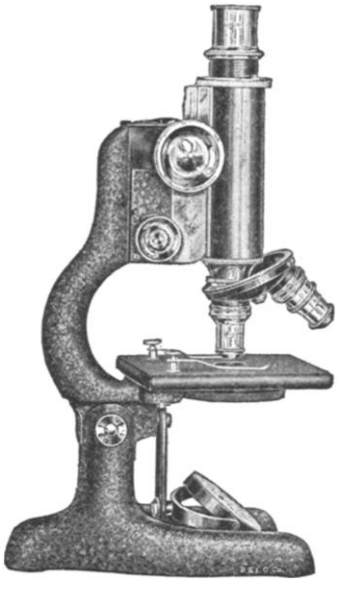
A. A. SPHUNG

The Frog and Turtle Man

Live Frogs, Turtles, Crayfish, Clams, Earthworms. Also preserved materials shipped to all parts of the world.

Write for Price List
Lists Free

NORTH JUDSON, INDIANA



Bausch and Lomb Microscopes

The Accepted Standard

Models for every purpose, in laboratory, classroom or for special research work—backed by 65 years of optical experience. Combine every approved feature of mechanical design with the highest grade, precision optics.

Because of the demands made upon our resources for some of the government's most important military needs, we are unable to make microscope deliveries for the present. While proud to be of service in this world crisis, we shall expect to serve our other patrons even more efficiently than before, when the world is again at peace.

Bausch & Lomb Optical Co.

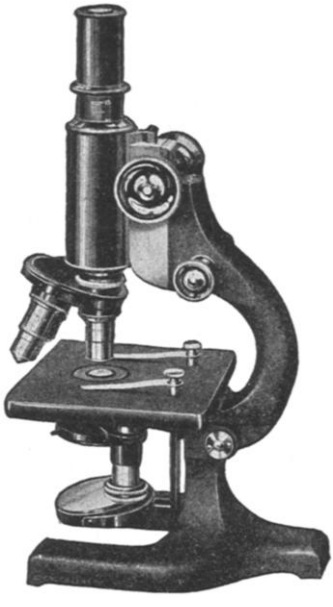
584 St. Paul St., Rochester, N. Y.

New York Washington Chicago San Francisco

Leading American Makers of Microscopes. Projection Apparatus (Balopticons), Photographic & Ophthalmic Lenses, Binoculars, Range Finders, Gun-Sights, Searchlights Reflectors and other High-Grade Optical Products.

SPENCER MICROSCOPES

Went to War



To do Uncle Sam's finest and most exacting work in saving the health and lives of our noble boys. They have now come back to the universities, colleges, schools and laboratories to resume the critical duties of peace.

With greatly enlarged facilities, backed by the most ideal optical glass plant in America—possibly the world—one of the great marvels of our great national war program, we are now able to give our good friends better service in supplying optical and scientific instruments than ever before.

MICROSCOPES
MICROTONES
DELINEASCOPES
OPTICAL MEASURING INSTRUMENTS
HAEMACYTOMETERS
HAEMAGLOBINOMETERS

SPENCER LENS COMPANY

BUFFALO, N. Y.

RECREATIONS WITH THE MICROSCOPE

SPECIALIZATION is by no means a selfish isolation in a narrow line of interests, but rather it consists in making one's greatest interest the axis for the grouping of the others. The conditions of modern life have settled it for us that the only well-educated man is a specialist, one who knows something well, it matters not so much what, and has sympathy for other things.—*Dr. William F. Ganong.*

Every technical specialist in Microscopy has a sympathy for "other things"—amateur and elementary microscopy, also for all other departments of Nature Study.

You, Specialist, may please your "sympathy" and aid a Good Cause by active interest in

THE GUIDE TO NATURE

This monthly, illustrated magazine is devoted not to extreme knowledge but to "uncommon interest."

Subscription, $1.00 a year

THE AGASSIZ ASSOCIATION

EDWARD F. BIGELOW, Managing Editor,
ArcAdiA,
SOUND BEACH, CONNECTICUT

School Science and Mathematics

A Monthly Journal for Science and Mathematics Teachers

Is the only magazine published in the English language devoted exclusively to the pedagogy and practice of science and mathematics teaching. It gives new ideas and methods of scientific and mathematical instructions—practical articles on the teaching of science and mathematics. Suggestive, illustrated descriptions of apparatus, experiments, laboratory equipment and plans. Short, newsy, helpful notes on the progress in science and mathematics. It is the official organ of many science and mathematics teachers' associations.

NINE DEPARTMENTS

AGRICULTURE, BOTANY, CHEMISTRY, EARTH SCIENCE, MATHEMATICS, PROBLEMS, PHYSICS, SCIENCE QUESTIONS AND ZOOLOGY.

$2.50 PER YEAR. SEND FOR FREE SAMPLE COPY.

SCHOOL SCIENCE AND MATHEMATICS

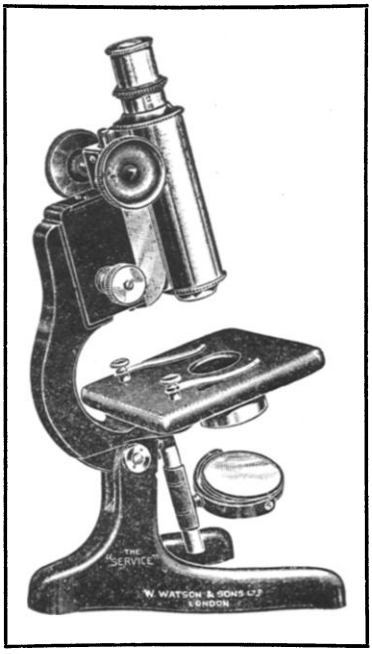
2059 E. 72nd PLACE :: :: CHICAGO

Watson

THE SERVICE MICROSCOPE

Made to fulfil the specification of the Committee on Microscopes appointed by the British Science Guild.

It is designed upon the same sound principles and manufactured with the same care and skill that have made the name of "Watson" famous for 80 years.



Special Features

The *Stand* is so *rigid* that the Microscope is always perfectly steady even when used in the horizontal position.

The Coarse Adjustment is by *spiral rack and pinion*, giving an exceedingly smooth and positive movement,

The Fine Adjustment is constructed on the lever principle, giving great delicacy and precision in focussing.

The Stage is extra large (110 m/m square) and faced with worked ebonite, giving a permanent and perfectly plane surface. A Petri's dish, 150 m/m diameter can be used on it centrally with room to spare.

The *Understage* has a swing out movement.

All Fittings are to Universal Gauge.

Illustrated Bulletin gladly sent post free on your request.

The British Admiralty Buys Watson's Microscopes and the British Admiralty Buys Only the Best.

W. WATSON & SONS, Ltd.

(Established 1837)

313, High Holborn, London, W. C. I., England

WE PREPARE AND MOUNT:

High grade Microscopical and Dissecting Instruments
Museum and Laboratory Glassware.

WE IMPORT FREE OF DUTY AT LOWEST RATES:

Scientific Apparatus, Instruments and Preparations of every description.

WE MANUFACTURE AND SELL:

Natural History Specimens, Biological Material.

Catalogues, Quotations and Information, on Application

OUR NEW BIOLOGICAL CATALOGUE AND SPECIAL STOCK LISTS ARE READY FOR DISTRIBUTION

THE KNY-SCHEERER CO.

Department of Natural Science

404 West 27th St., Cor. 9th Ave.

G. LAGAI, Ph.D. NEW YORK

INDEX TO ADVERTISEMENTS

The Anglers Co., Chicago I
Bausch and Lomb Optical Company, Rochester, N Y III
Cambridge Botanical Supply Co., Waverley, Mass I
The Chicago Biological Supply House, Chicago, Ill II
Comstock Publishing Co., Ithaca, N. Y I
Guide to Nature, Arcadia, Sound Beach, Conn V
The Kny-Scheerer Co., 404 West 27th St., New York ..... Third P. Cover
Edward Pennock, Philadelphia, Pa I
Powers & Powers, Lincoln, Neb I
School Science and Mathematics, Chicago, Ill V
Southern Biological Supply Co., New Orleans II
Spencer Lens Company, Buffalo, N. Y IV
A. A. Sphung, North Judson, Ind II
University of Chicago Press I
W. Watson and Sons, 313 High Holborn, London, W. C VI

Members should bear in mind that our advertisers make possible a larger magazine than could otherwise be issued. We owe them our patronage as well as our thanks.

Nowhere will you find more reliable dealers in materials for the laboratory than those advertised in this magazine.